

1-21 Cancelled

22. A multi-section pile apparatus, comprising:

- e. a lowermost anchor that is configured to be driven into a soil mass by rotation, the anchor having a solid shaft and a helically threaded vane portion attached thereto;
- f. a plurality of pile sections that are connectable end-to-end at non-annular joint portions, the pile sections and joint portions having hollow bores, a lowermost of the pile sections being connectable to a top of the anchor;
- g. a rotary drive means for transmitting rotational force to the pile sections and the anchor, said drive means comprising drive members that fit inside end portions of the pile sections; and
- h. wherein the joint portions are configured with non-annular surfaces that enable torque to be transmitted from the rotary drive to the pile sections.

23. The apparatus of claim 22, wherein the pile sections have end portions that are shaped to fit a squared end portion of another pile section in telescoping fashion.

24. The apparatus of claim 23, wherein each of the pile sections carries a plurality of circumferentially spaced radially extending soil displacement ribs.

25. A multi-section pile apparatus, comprising:

- a. a lowermost anchor that is configured to be driven into a soil mass by rotation, the anchor having a shaft with helically threaded vane portion and an upper tapered transition section;
- b. a plurality of generally cylindrical pile sections, each pile section being provided with a non-circular transition portion formed at ends of the pile section, said pile

sections are connectable end-to-end at joint portions formed by non-circular transition portions, the pile sections and joint portions having hollow bores, a lowermost of the pile sections being connectable to a top of the tapered transition section of the anchor;

- c. a drive means for transmitting rotational force to the pile sections and the anchor, said drive means comprising drive members that fit inside the bores within end portions of the pile sections between respective pile sections, each joint portion between the pile sections adjoining a non-circular surface of an adjacent pile section;
- d. wherein non-circular surfaces enable torque to be transmitted from the drive means to the pile sections; and
- e. a connecting means for connecting a lower end portion of one of the pile sections and an upper end portion of the anchor.

26. The apparatus of claim 25, wherein each of the drive members comprises an enlarged diameter section that occupies a joint open bore during use.

27. The apparatus of claim 26 wherein the pile sections have end portions that are shaped to fit the end portion of another pile section in telescoping fashion.

28. The apparatus of claim 26 wherein each of the pile sections carries a plurality of circumferentially spaced radially extending soil displacement ribs.